

Pizza Sales Dashboard MySQL + Power BI Project

→ Import Data in SQL

you can directly use a flat file connector or CSV file connectors because the data which we are having is a CSV file and you can directly use that file to do you know connect with powerbiard you can load the same reports

→ SQL Queries for KPI's

SELECT SUM(sales_price) AS Total_Revenue FROM pizza_sales;

100 %	1
Results	Messages
Total Revenue	17186.4996130798

SELECT SUM(sales_price) / COUNT(DISTINCT order_id) AS Avg_Order_Value FROM pizza_sales;

100 %	1
Results	Messages
Avg Order Value	38.1025294368

SELECT SUM(quantity) AS Total_Pizza_Sold FROM pizza_sales;

100 %	1
Results	Messages
Total Pizza Sold	142678

SELECT COUNT(DISTINCT order_id) AS Total_Orders FROM pizza_sales;

100 %	1
Results	Messages
Total Orders	126478

Average Pizza Per Order

SELECT CAST(CAST(SUM(quantity) AS DECIMAL(10,2)) / CAST(COUNT(DISTINCT order_id) AS DECIMAL(10,2)) AS DECIMAL(10,2)) AS Average_Pizza_Per_Order FROM pizza_sales;

100 %	1
Results	Messages
Average Pizza Per Order	3.012678243051

Problem Statement

Daily Trend for Total Orders We have used DATENAME FUNCTION

SELECT DATENAME(DW, order_date) AS Order_Day, COUNT(DISTINCT order_id) AS Total_Orders FROM pizza_sales GROUP BY DATENAME(DW, order_date);

100 %	1
Results	Messages
Order Day	Order Day
1	Sunday
2	Monday
3	Tuesday
4	Wednesday
5	Thursday
6	Friday
7	Saturday

Monthly Trend for Total Orders

SELECT DATENAME(MONTH, order_date) AS Month_Name, COUNT(DISTINCT order_id) AS Total_Orders FROM pizza_sales GROUP BY DATENAME(MONTH, order_date);

100 %	1
Results	Messages
Month Name	Month Name
1	January
2	February
3	March
4	April
5	May
6	June
7	July
8	August
9	September
10	October
11	November
12	December

Percentage Of Sales By Pizza Category

Group by Categorical Dimensions Whenever we are using Ex- Pizza_Category

SELECT pizza_category, SUM(sales_price) AS Total_Sales, SUM(sales_price) * 100 / (SELECT SUM(sales_price) FROM pizza_sales) AS Percentage_Of_sales FROM pizza_sales GROUP BY pizza_category ORDER BY Percentage_Of_sales DESC;

100 %	1
Results	Messages
Pizza_Category	Total_Sales
1	Supreme
2	Chicken
3	Vegetarian
4	Margherita

SELECT pizza_category, SUM(sales_price) AS Total_Sales, SUM(sales_price) * 100 / (SELECT SUM(sales_price) FROM pizza_sales) AS Percentage_Of_sales FROM pizza_sales WHERE MONTH(order_date) = 1 GROUP BY pizza_category;

100 %	1
Results	Messages
Pizza_Category	Total_Sales
1	Supreme
2	Chicken
3	Vegetarian
4	Margherita

Percentage Of Sales By Pizza Size

SELECT pizza_size, CAST(SUM(sales_price) AS DECIMAL(10,2)) AS Total_Sales, CAST(SUM(sales_price) * 100 / (SELECT SUM(sales_price) FROM pizza_sales) AS DECIMAL(10,2)) AS Percentage_Of_sales FROM pizza_sales WHERE DATETIMEPART(HOUR, order_date) = 1 GROUP BY pizza_size ORDER BY Percentage_Of_sales DESC;

100 %	1
Results	Messages
Pizza_Size	Total_Sales
1	Small
2	Medium
3	Large
4	XL
5	XXL

TOP 5 PIZZA BY REVENUE

SELECT TOP 5 pizza_name, SUM(sales_price) AS Total_Revenue FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Revenue DESC;

100 %	1
Results	Messages
Pizza_Name	Total_Revenue
1	The Thai Chicken Pizza
2	The Supreme Chicken Pizza
3	The California Chicken Pizza
4	The Classic Chicken Pizza
5	The Spicy Italian Pizza

BOTTOM 5 PIZZA BY REVENUE

SELECT TOP 5 pizza_name, SUM(sales_price) AS Total_Revenue FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Revenue ASC;

100 %	1
Results	Messages
Pizza_Name	Total_Revenue
1	The Blue Cheese Pizza
2	The Green Chicken Pizza
3	The Supreme Supreme Pizza
4	The Mediterranean Pizza
5	The Spicy Potato Pizza

TOP 5 PIZZA BY QUANTITY

SELECT TOP 5 pizza_name, SUM(quantity) AS Total_Quantity FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Quantity DESC;

100 %	1
Results	Messages
Pizza_Name	Total_Quantity
1	The Supreme Chicken Pizza
2	The Supreme Chicken Pizza
3	The Supreme Chicken Pizza
4	The Supreme Chicken Pizza
5	The Supreme Chicken Pizza

BOTTOM 5 PIZZA BY QUANTITY

SELECT TOP 5 pizza_name, SUM(quantity) AS Total_Quantity FROM pizza_sales GROUP BY pizza_name ORDER BY Total_Quantity ASC;

100 %	1
Results	Messages
Pizza_Name	Total_Quantity
1	The Supreme Chicken Pizza
2	The Supreme Chicken Pizza
3	The Supreme Chicken Pizza
4	The Supreme Chicken Pizza
5	The Supreme Chicken Pizza

→ Import Data FROM SQL SERVER

SQL Database
SERVER: DIDAKOTASQLSERVERPRESS
DATABASE: Pizza DB
LOAD

→ Data Cleaning in Power Query

Remove Transform DataPower Query
Replicate Values

→ Building KPI's

Writing DAX functions and make KPI's

Table Column Chart to display the sales by Week Day Name and for that we work in the transform data to make a new column from Order_date and we took Day name from that.